

### **ABSTRACT OF THE DISCLOSURE**

A system for digitally recording and time stamping an input audio signal during an audio event includes an input, an audio event detection module, a digital data recording and time-stamping module, and a memory. The input receives the input audio signal. The  
5 audio event detection module operably couples to the input and determines whether the input audio signal satisfies an audio event threshold. The digital data recording and time-stamping module operably couples to the input and to the audio event detection module and records and time stamps the input audio signal when the audio event detection module determines that the audio event is ongoing. The memory operably couples to the  
10 digital data recording and time-stamping module. The digital data recording and time-stamping module records the input audio signal in the memory.